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A NEW KILN—THE "REVELATION."

THERE has recently been placed on the market a new kiln, one that has been especially adapted to be used in conjunction with a different fuel than any heretofore used. Wood has been used, so has coal, charcoal and gas, both illuminating and natural, but it remained for Dr. Land to invent a method whereby kerosene or coal oil can be used with the same results and at a much less expenditure.

Although the principle remains the same, the construction

or lowered at the will of the firer. The bulk of oil was at a little distance from the fire, so there was no danger of igniting. The oil was supplied through a small pipe, and the quantity consumed was entirely under the management of the firer by means of small faucets, and only that escaped which was necessary, so that at no time was explosion possible from excess of oil.

Being on a level with the eye, the interior of the muffle and its entire contents are at all times visible, and the moment to draw off the fire may be told with great accuracy.

Most persons have a predisposition against using kerosene,



DESIGN OF YELLOW ROSES FOR CHINA DISH. By E. T. REEVES.

slightly varies from the ordinary studio kilns now in general use.

The one that we saw in active operation was in appearance very much like a small closet containing adjustable shelves. It was elevated to a convenient height, thus obviating any stooping over or reaching down to stack it. A little door opens in front, instead of taking off the entire top.

A stovepipe lined with a non-conducting material carries off all flame, odor and the superfluous heat, which would otherwise increase the temperature of the studio many degrees.

It takes about the same length of time to fire as with gas, more economical, and is absolutely safe.

There were two burners beneath the kiln, which were elevated

fearing its explosive capacity, but it is a well-known fact that cold oil is not easily lighted. The writer has seen a lighted match thrown into a barrel of oil, and it immediately went out. This fact is proved in the burners of this kiln, and therefore to assist it to light and create a flame a piece of asbestos is placed in the burner and then it easily ignites.

With ordinary care—that given to gas—this kiln is as easily operated as any, and it is absolutely devoid of any odor.

Any degree of heat may be obtained necessary to develop the overglaze colors.

It is massively constructed, and the agent claims there is nothing about it that will wear out but the muffle, which may be replaced at a very small cost.